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Declarations under Rule 4.17:

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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

Published:

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- with sequence listing part of description (Rule 5.2(a))

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23 February 2012

(54) Title: POLYNUCLEOTIDE SEQUENCE, PROCESSES, COMPOSITION AND METHODS THEREOF

(57) Abstract: The present disclosure relates to a polynucleotide sequence coding for a protein of Trypanosoma species. The disclosure further provides processes for inhibiting said protein for treatment of protozoan infections, Malaria and Surra, by Geldanamycin and 17-AAG. The disclosure also relates to processes for identification of these inhibitions, compositions and method of treatments of said infections. Lastly, the present disclosure also relates to examining the efficacy of Hsp90 inhibitor as an anti-malarial and anti-surra agents.



WO 2011/154895 A3

## INTERNATIONAL SEARCH REPORT

International application No.

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## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.

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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 WPI; EPODOC; MEDLINE; GenomeQuest. Keywords: heatshock protein 90; HSP90; Trypanosoma; Plasmodium; geldanamycin; 17-AAG and similar.

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	US 2007/0207992 A1 (WENKERT, D <i>et al.</i> ) 6 SEPTEMBER 2007	
X	See [0009], [0056], [0057], [0059] [0063], [0068]- [0071]  BOSHOFF, A. <i>et al.</i> , 'Molecular chaperones in biology, medicine and protein biotechnology', South African Journal of Science, 2004, Vol. 100, pages 665 - 677.	3 - 7, 16 - 19
X	See Page 670, last para.; page 671	3 - 7, 16 - 19

 Further documents are listed in the continuation of Box C See patent family annex

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"O" document referring to an oral disclosure, use, exhibition or other means

"&amp;" document member of the same patent family

"P" document published prior to the international filing date but later than the priority date claimed

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/IB2011/052475**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report	Patent Family Member
US 2007207992	WO 2007098229
<p>Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.</p> <p style="text-align: right;">END OF ANNEX</p>	